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(54) Wave filter having two or more coaxial dielectric resonators in juxtaposition

(57) A radio frequency filter having at least two dielectric resonators (1,2) in juxtaposition, each resonator including a tubular dielectric body (3a,3b). Formed on the dielectric body (3a,3b) of each resonator are an inner (4a,4b) and an outer (5a,5b) conductors and various other conductors including a terminal conductor (8a,8b)

for connection of the filter to external circuitry. In order to assure positive isolation of the terminal conductors (20a,20b) of both resonators from each other, the outer conductors (5a,5b) are provided with extensions (17a, 17b) which intervene between the terminal conductors (8a,8b) for preventing them from being capacitively coupled together.

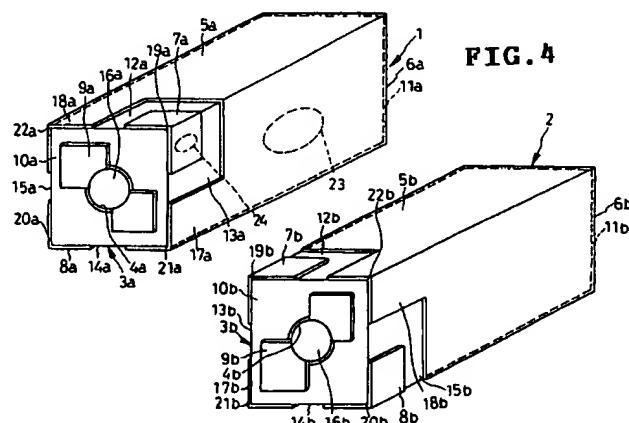


FIG. 4

EP 0 865 094 A3



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EUROPEAN SEARCH REPORT

Application Number

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Place of search	Date of completion of the search	Examiner	
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CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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